

ORDER 450.1 ENVIRONMENTAL
PROTECTION PROGRAM
WORKSHOP

OZONE-DEPLETING SUBSTANCE
PHASEOUT ISSUES

TED KOSS

202-586-7964

theodore.koss@eh.doe.gov

Environmental Interactions

- Identify site activities, products and services related to ozone-depleting substances (ODS) and how they interact with the environment.
- Activities, Products, and Services
 - Maintaining, servicing, or disposing of refrigeration and air conditioning equipment
 - Using Halon in fire suppression systems
 - Using ozone-depleting solvents in cleaning operations
- Environmental Aspects of the ODS issue
 - Air Quality

ENVIRONMENTAL IMPACTS

- Identify impacts (and their significance) caused by the release of ODS to the ambient air.
- Potential impacts might include:
 - Depletion of stratospheric ozone
 - Potential health hazards to public
 - Noncompliance with regulatory requirements
 - Costs
 - Concerns of local residents

APPLICABLE REGULATORY REQUIREMENTS

- The EPA rules governing the phaseout of ODS are found at 40 CFR Part 82, “Protection of Stratospheric Ozone.”
- Are the applicable Part 82 regulations and EO 13148 requirements on the master list of applicable requirements at your DOE site?
- Are all affected organizations at your DOE site aware of stratospheric ozone protection requirements?

OTHER REQUIREMENTS

- EO 13148 Class I ODS phaseout requirements

ENVIRONMENTAL OBJECTIVES AND TARGETS

- EO 13148 has established the objective to end Federal procurement of Class I ODS by 12/31/10.
- DOE has also established two Class I ODS phaseout objectives in its 1999 Pollution Prevention and Energy Efficiency Leadership Goals (available at <http://epic.er.doe.gov/epic/bulletin/p2memo.pdf>):
 - Retrofit or replace aging Class I ODS chillers by 2005
 - Eliminate remaining Class I ODS usage by 2010 “to the extent economically practicable.”

ENVIRONMENTAL OBJECTIVES AND TARGETS (contd)

- Has your DOE site established targets to accomplish a long-term, cost-effective Class I ODS use phaseout?
 - For example, a target of eliminating 50% of CY 2000 Halon 1301 inventory in fixed fire suppression systems by 12/31/06

Checking and Corrective Action

- Monitor and review implementation of Class I ODS phaseout plans and make changes as needed.
 - For example, if the budget is curtailed, or if regulatory requirements tighten, there should be a procedure in place to revise phaseout plans.
- If a target is not met, procedures should be available to take corrective actions to remedy

EH ODS GUIDANCE

- Most recent EH guidance to implement EO 13148 ODS requirements: “A Plan and Guidance to Implement EO 13148 Requirements to Achieve Ozone-Depleting Substance Reductions,” February 2002 (available at <http://www.eh.doe.gov/oepa/guidance/ozone/odseoguide.pdf>).
- Office of Environmental Policy and Guidance (EH-41) ODS Web Site (<http://www.eh.doe.gov/oepa/ods/>) has further information and guidance.

EH ODS GUIDANCE (contd.)

- Questions on ODS issues should be addressed to following EH-41 staff: Ted Koss (202-586-7964; theodore.koss@eh.doe.gov) or Emile Boulos (202-586-1306; emile.boulos@eh.doe.gov).